

=> d his

(FILE 'HOME' ENTERED AT 22:06:26 ON 09 JUN 2009)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 22:06:55 ON 09 JUN 2009

L1 1540 S (YEAST OR MAMMAL? OR HUMAN OR MOUSE OR MICE OR RAT OR BOVINE
L2 1971688 S (INHIBIT? OR DECREAS? OR REDUC?) (7A) (STABILITY OR FUNCTION OR
L3 170 S L1 AND L2
L4 221 S (INHIBIT? OR DECREAS? OR REDUC?) (7A)L1
L5 128 S L1(P)L2
L6 89 DUP REM L3 (81 DUPLICATES REMOVED)
L7 116 DUP REM L4 (105 DUPLICATES REMOVED)
L8 57 DUP REM L5 (71 DUPLICATES REMOVED)
L9 308733 S ANTIVIRUS OR ANTIVIRAL
L10 7 S L4 AND L9
L11 1 S L6 AND L9
L12 3 S L7 AND L9
L13 0 S L8 AND L9

=> d bib ab l11

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:141079 CAPLUS
DN 142:234385
TI Antisense modulation of stearyl-coa desaturase expression
IN Crooke, Rosanne M.; Graham, Mark J.
PA Isis Pharmaceuticals Inc., USA
SO PCT Int. Appl., 256 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 4

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | WO 2005014607 | A2 | 20050217 | WO 2004-US18932 | 20040715 |
| | WO 2005014607 | A3 | 20060608 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 20050043256 | A1 | 20050224 | US 2003-619253 | 20030715 |
| | EP 1648910 | A2 | 20060426 | EP 2004-776556 | 20040715 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | | |
| PRAI | US 2003-619253 | A2 | 20030715 | | |
| | US 2001-918187 | A2 | 20010730 | | |
| | WO 2004-US18932 | W | 20040715 | | |

AB Antisense compds., compns. and methods are provided for modulating the expression of stearyl-CoA desaturase. The compns. comprise antisense compds., particularly antisense oligonucleotides, targeted to nucleic acids encoding stearyl-CoA desaturase. Methods of using these compds. for modulation of stearyl-CoA desaturase expression and for treatment of diseases associated with expression of stearyl-CoA desaturase are provided.

Thus, 20-residue, phosphorothioate-linked chimeric oligonucleotides comprising a 10-residue DNA core surrounded by 5-residue 2'-O-methoxyethylribosides "wings" were prepared. These "gapmers" exhibited up to significant inhibition of stearoyl-CoA desaturase (GenBank Accession Number AF097514) mRNA level in cell culture, such as HepG2 cells. Specifically, 67 antisense oligonucleotides, are claimed to exhibit at least 50% inhibitory activity of that of a pos. control oligonucleotide ISIS18078 (GTGCGCGCGAGCCCGAAATC, SEQ ID NO: 82), a 2'-O-methoxylgapmer (2'-O-methoxyethyls shown in bold) with a phosphorothioate backbone, which is targeted to human Jun-N-terminal kinase-2 (JNK2).

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d au ti so pi 1-3 112

L12 ANSWER 1 OF 3 MEDLINE on STN
AU Lee W M; Ishikawa M; Ahlquist P
TI Mutation of host delta9 fatty acid desaturase inhibits brome mosaic virus RNA replication between template recognition and RNA synthesis.
SO Journal of virology, (2001 Mar) Vol. 75, No. 5, pp. 2097-106.
Journal code: 0113724. ISSN: 0022-538X.
Report No.: NLM-PMC114794.

L12 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
IN Crooke, Rosanne M.; Graham, Mark J.
TI Antisense modulation of stearoyl-coa desaturase expression
SO PCT Int. Appl., 256 pp.
CODEN: PIXXD2

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2005014607 | A2 | 20050217 | WO 2004-US18932 | 20040715 |
| WO 2005014607 | A3 | 20060608 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 20050043256 | A1 | 20050224 | US 2003-619253 | 20030715 |
| EP 1648910 | A2 | 20060426 | EP 2004-776556 | 20040715 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | | |

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
IN McSwiggen, James; Beigelman, Leonid; Thompson, James
TI RNA interference-mediated inhibition of stearoyl-CoA desaturase gene expression using short interfering nucleic acids
SO PCT Int. Appl., 139 pp.
CODEN: PIXXD2

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2003070885 | A2 | 20030828 | WO 2003-US4317 | 20030213 |
| WO 2003070885 | A3 | 20041111 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, | | | | |

| | | | |
|----------------|---|----------|-------------------------|
| | CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, | | |
| | GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, | | |
| | LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, | | |
| | PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, | | |
| | UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, | | |
| | KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, | | |
| | FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, | | |
| | BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | |
| AU 9851819 | A | 19980611 | AU 1998-51819 19980112 |
| AU 729657 | B2 | 20010208 | |
| AU 9939188 | A | 19990916 | AU 1999-39188 19990713 |
| AU 769175 | B2 | 20040115 | AU 2000-56616 20000911 |
| AU 2003215203 | A1 | 20030909 | AU 2003-215203 20030213 |
| EP 1499628 | A2 | 20050126 | EP 2003-711017 20030213 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | |
| | IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | |
| EP 1741781 | A2 | 20070110 | EP 2006-75998 20030218 |
| EP 1741781 | A3 | 20070606 | |
| R: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | |
| | IT, LI, LU, MC, NL, PT, SE, SI, SK, TR | | |
| EP 1710307 | A2 | 20061011 | EP 2006-75987 20030220 |
| EP 1710307 | A3 | 20070606 | |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | |
| | IE, SI, FI, CY, TR, BG, CZ, EE, HU, SK | | |
| EP 2042510 | A2 | 20090401 | EP 2008-75778 20030220 |
| R: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | |
| | IT, LI, LU, MC, NL, PT, SE, SI, SK, TR | | |
| US 20050256068 | A1 | 20051117 | US 2004-923451 20040820 |
| JP 2006271387 | A | 20061012 | JP 2006-117199 20060301 |
| AU 2006203062 | A1 | 20060810 | AU 2006-203062 20060713 |
| AU 2006203062 | B2 | 20090312 | |
| AU 2006203725 | A1 | 20060914 | AU 2006-203725 20060825 |
| AU 2006228026 | A1 | 20061102 | AU 2006-228026 20061011 |
| JP 2007300926 | A | 20071122 | JP 2007-132820 20070518 |
| JP 2008289488 | A | 20081204 | JP 2008-148596 20080605 |
| JP 2009060893 | A | 20090326 | JP 2008-201593 20080805 |
| US 20090099118 | A1 | 20090416 | US 2008-192853 20080815 |

=> d au ti so pi 41-57 18

L8 ANSWER 41 OF 57 MEDLINE on STN DUPLICATE 15

AU Choi Youngjin; Park Yeonhwa; Storkson Jayne M; Pariza Michael W; Ntambi James M

TI Inhibition of stearyl-CoA desaturase activity by the cis-9,trans-11 isomer and the trans-10,cis-12 isomer of conjugated linoleic acid in MDA-MB-231 and MCF-7 human breast cancer cells.

SO Biochemical and biophysical research communications, (2002 Jun 21) Vol. 294, No. 4, pp. 785-90.
Journal code: 0372516. ISSN: 0006-291X.

L8 ANSWER 42 OF 57 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN

AU Kang, Kihwa [Reprint author]; Pariza, Michael W. [Reprint author]

TI Trans-10,cis-12 conjugated linoleic acid and conjugated nonadecadienoic acid inhibit differentiation of 3T3-L1 preadipocyte.

SO FASEB Journal, (March 20, 2002) Vol. 16, No. 4, pp. A228. print.
Meeting Info.: Annual Meeting of the Professional Research Scientists on Experimental Biology. New Orleans, Louisiana, USA. April 20-24, 2002.
CODEN: FAJOEC. ISSN: 0892-6638.

L8 ANSWER 43 OF 57 LIFESCI COPYRIGHT 2009 CSA on STN
 AU Campbell, E.M.G.; Gallagher, D.S.; Davis, S.K.; Taylor, J.F.; Smith, S.B.
 TI Rapid communication: Mapping of the bovine stearoyl-coenzyme A desaturase
 (SCD) gene to BTA26
 SO Journal of Animal Science [J. Anim. Sci.], (20010700) vol. 79, no. 7, pp.
 1954-1955.
 ISSN: 0021-8812.

L8 ANSWER 44 OF 57 MEDLINE on STN DUPLICATE 16
 AU Bene H; Lasky D; Ntambi J M
 TI Cloning and characterization of the human stearoyl-CoA desaturase gene
 promoter: transcriptional activation by sterol regulatory element binding
 protein and repression by polyunsaturated fatty acids and cholesterol.
 SO Biochemical and biophysical research communications, (2001 Jun 29) Vol.
 284, No. 5, pp. 1194-8.
 Journal code: 0372516. ISSN: 0006-291X.

L8 ANSWER 45 OF 57 MEDLINE on STN DUPLICATE 17
 AU Choi Y; Park Y; Pariza M W; Ntambi J M
 TI Regulation of stearoyl-CoA desaturase activity by the trans-10,cis-12
 isomer of conjugated linoleic acid in HepG2 cells.
 SO Biochemical and biophysical research communications, (2001 Jun 15) Vol.
 284, No. 3, pp. 689-93.
 Journal code: 0372516. ISSN: 0006-291X.

L8 ANSWER 46 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 IN Stenn, Kurt; Prouty, Stephen M.; Parimoo, Satish; Zhang, Lin
 TI Human and murine stearoyl-CoA desaturase-related compositions and methods
 for treating skin disorders
 SO PCT Int. Appl., 91 pp.
 CODEN: PIXXD2

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2000009754 | A2 | 20000224 | WO 1999-US18387 | 19990812 |
| WO 2000009754 | A3 | 20000824 | | |
| W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, KZ | | | |
| RW: | GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| CA 2339748 | A1 | 20000224 | CA 1999-2339748 | 19990812 |
| AU 9957746 | A | 20000306 | AU 1999-57746 | 19990812 |
| EP 1105538 | A2 | 20010613 | EP 1999-945051 | 19990812 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | |
| JP 2003533965 | T | 20031118 | JP 2000-565188 | 19990812 |

L8 ANSWER 47 OF 57 MEDLINE on STN DUPLICATE 18
 AU Lu J; Pei H; Kaeck M; Thompson H J
 TI Gene expression changes associated with chemically induced rat mammary
 carcinogenesis.
 SO Molecular carcinogenesis, (1997 Oct) Vol. 20, No. 2, pp. 204-15.
 Journal code: 8811105. ISSN: 0899-1987.

L8 ANSWER 48 OF 57 MEDLINE on STN DUPLICATE 19
 AU Ye Q Z; Johnson L L; Nordan I; Hupe D; Hupe L
 TI A recombinant human stromelysin catalytic domain identifying tryptophan

derivatives as human stromelysin inhibitors.

SO Journal of medicinal chemistry, (1994 Jan 7) Vol. 37, No. 1, pp. 206-9.
Journal code: 9716531. ISSN: 0022-2623.

L8 ANSWER 49 OF 57 MEDLINE on STN DUPLICATE 20
AU Kawashima Y; Uy-Yu N; Kozuka H
TI Sex-related differences in the enhancing effects of perfluoro-octanoic acid on stearyl-CoA desaturase and its influence on the acyl composition of phospholipid in rat liver. Comparison with clofibrilic acid and tiadenol.
SO The Biochemical journal, (1989 Nov 1) Vol. 263, No. 3, pp. 897-904.
Journal code: 2984726R. ISSN: 0264-6021.
Report No.: NLM-PMC1133515.

L8 ANSWER 50 OF 57 LIFESCI COPYRIGHT 2009 CSA on STN
AU Umeki, S.; Shiojiri, H.; Nozawa, Y.
TI Chronic ethanol administration decreases fatty acyl-CoA desaturase activities in rat liver microsomes.
SO FEBS LETT., (1984) vol. 169, no. 2, pp. 274-278.

L8 ANSWER 51 OF 57 MEDLINE on STN DUPLICATE 21
AU Rao G A; Crane R T; Larkin E C
TI Reduction of hepatic stearyl-CoA desaturase activity in rats fed iron-deficient diets.
SO Lipids, (1983 Aug) Vol. 18, No. 8, pp. 573-5.
Journal code: 0060450. ISSN: 0024-4201.

L8 ANSWER 52 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AU Kawashima, Yoichi; Hanioka, Nobumitsu; Matsumura, Makiko; Kozuka, Hiroshi
TI Induction of microsomal stearyl-CoA desaturation by the administration of various peroxisome proliferators
SO Biochimica et Biophysica Acta, Lipids and Lipid Metabolism (1983), 752(2), 259-64
CODEN: BBLA6; ISSN: 0005-2760

L8 ANSWER 53 OF 57 MEDLINE on STN DUPLICATE 22
AU Enser M; Roberts J L
TI The regulation of hepatic stearyl-coenzyme A desaturase in obese-hyperglycaemic (ob/ob) mice by food intake and the fatty acid composition of the diet.
SO The Biochemical journal, (1982 Sep 15) Vol. 206, No. 3, pp. 561-70.
Journal code: 2984726R. ISSN: 0264-6021.
Report No.: NLM-PMC1158624.

L8 ANSWER 54 OF 57 MEDLINE on STN DUPLICATE 23
AU Calabro M A; Prasad M R; Wakil S J; Joshi V C
TI Stearyl-coenzyme A desaturase activity in the mammary gland and liver of lactating rats.
SO Lipids, (1982 Jun) Vol. 17, No. 6, pp. 397-402.
Journal code: 0060450. ISSN: 0024-4201.

L8 ANSWER 55 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AU Joshi, Vasudev C.; Aranda, Liliana P.
TI Hormonal regulation of the terminal enzyme of microsomal stearyl coenzyme A desaturase in cultured avian liver explants. Role of insulin
SO Journal of Biological Chemistry (1979), 254(23), 11783-6
CODEN: JBCHA3; ISSN: 0021-9258

L8 ANSWER 56 OF 57 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
AU JOSHI V C [Reprint author]; ARANADA L P

TI HORMONAL REGULATION OF THE TERMINAL ENZYME OF MICROSOMAL STEAROYL COENZYME
A DESATURASE IN CULTURED AVIAN LIVER EXPLANTS ROLE OF INSULIN.
SO Journal of Biological Chemistry, (1979) Vol. 254, No. 23, pp. 11779-11782.
CODEN: JBCHA3. ISSN: 0021-9258.

L8 ANSWER 57 OF 57 MEDLINE on STN DUPLICATE 24
AU Jeffcoat R; Brawn P R; Safford R; James A T
TI Properties of rat liver microsomal stearyl-coenzyme A desaturase.
SO The Biochemical journal, (1977 Feb 1) Vol. 161, No. 2, pp. 431-7.
Journal code: 2984726R. ISSN: 0264-6021.
Report No.: NLM-PMC1164521.